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Date of Birth: 01 – 01 – 1977

Gender: **male**

Nationality: **Tunisian**

COMPETENCES

- Natural risk management (combating desertification, preservation of the natural environment, fighting sand encroachment, monitoring and assessment of the impact of desert dust on air quality and human health, water harvesting, rural migration mitigation, etc).
- Monitoring and assessment of desertification.
- Assessment of land degradation as a function of land use and agricultural practices.
- Soil conservation and land planning.
- Climate change adaptation and mitigation.
- Sustainable development.
- Project management.
- Investigation.
- Data management.
- Decision-making tools.

ACADEMIC DEGREES

- 2011** : **PhD Doctorate Degree:** Atmospheric Pollution Chemistry and Environmental Physics. Paris 7 – Denis Diderot University – France.
- 2001 - 2003** : **Master's Degree** : Combating Desertification and enduring managements of resources in arid environment. National Agronomic Institute of Tunis (INAT) - Tunisia.
- 1998 - 2001** : **Senior Engineer Degree:** Hydraulic and Rural planning. National Agronomic Institute of Tunis (INAT) - Tunisia.
- 1996 - 1998** : **Higher Preparatory classes Degree.** National Agronomic Institute of Tunis (INAT) - Tunisia.
- 1996** : **Baccalaureate of Science Degree.** High school 2 march 1934 - Tunisia.

PROFESSIONAL EXPERIENCES

Since 2008: Coordinator of scientific programs on “Land degradation assessment, combating desertification, fighting sand encroachment and monitoring of dust storms” at Arid Regions Institute (IRA) (Tunisia).

Since 2011: Research Assistant professor at Arid Regions Institute (IRA) (Tunisia) - Eremology and combating desertification Laboratory.

Since 2015: Tunisian **PI** (Principal Investigator) - **INDAF** (International Network to study Deposition and Atmospheric composition in **AFrica**) of the station for continuous measurements of aerosols installed at the IRA of Medenine (Tunisia) (<http://193.95.22.108/index.html>) and (https://www5.obs-mip.fr/wp-content-omp/uploads/sites/14/2016/12/organigramme-INDAAF-2017_CGL_BM.pdf).

Since 2014: Tunisian **PI** (Principal Investigator) – **Aerosol Robotic Network (NASA) – Medenine – IRA site (Tunisia)** (https://aeronet.gsfc.nasa.gov/new_web/photo_db/Medenine-IRA.html).

Since 2012: Member of Scientific Committee of Arid Regions Institute (IRA) (Tunisia).

2007-2011: PhD researcher at Laboratoire Interuniversitaire des Systèmes Atmosphériques (LISA) (France).

2007: Post graduate participant at United Nation University Land Restoration Training program (UNU-LRT) (<http://www.unulrt.is/>) Iceland.

2005-2011: Senior Engineer at Arid Regions Institute (IRA) (Tunisia) - Eremology and combating desertification Laboratory.

2003: Senior Engineer at «Planning Company of Coteaux de Gascogne (CACG) - France».

PARTICIPATION IN RESEARCH PROJECTS

- **2015:** Expert consultant at STUDI International Engineering on the project «Development of an executive plan for combating desertification, wind erosion and water erosion in the Basin of Lake Tchad (Niger, Tchad, Nigeria, Cameroun and Republic of CenterAfrique).

- **2014:** National coordinator of combating desertification and fighting sand encroachment component of the signed technical collaboration convention between the National Center for Combating Desertification (NCCD) in Libya and the Arid Regions Institute (IRA) of Medenine.

- National coordinator of ANR research project « **WIND** erOsion in presence of sparse **Vegetation (WIND-O-V)** ». Research project between IRA (Tunisia), INRA (France), IRD (France) and LISA (France) (2016 – 2019).

- National coordinator of research project « **TR**ansfer of **At**mospheric **N**utrients and **C**ontaminants to the **MED**iterranean Sea (**TRANCOMED**) » (2016 – 2018).

- National coordinator of research project « **MOD**eling of wind erosion of soils from a complete coupling between saltation, **sUS**pension and wind **Turbulent (MODUST)** ». Research project between IRA (Tunisia), INRA (France), IRD (France) and LISA (France) (2014-2015).

- National coordinator of research project « **PHY**sico-**CH**emical analysis of the **SAL**tation flux: fractionation process between the soil and the wind erosion flux in semi-arid zones (**SalChiPhy**) ». Research project between IRA (Tunisia), IRD (France) and LISA (France) (2014 – 2015).

- Coordinator of **AFRICA** programme in Tunisia « scientific documentary in sand dune movement in Tunisia ». Collaboration Project between Arid Regions Institute (IRA) (Tunisia) and the **British Broadcasting Corporation (BBC)** (United Kingdom) (2010 – 2011).
- Coordinator of « the climate in power » programme in Tunisia « scientific documentary in sand dune movement in Tunisia ». Collaboration Project between Arid Regions Institute (IRA) (Tunisia) and **France Television (TV5)** (France) (2012).
- National coordinator of research project « Quantification of terrigenous aerosol (dust) emissions as a function of land use: example of southern Tunisia ». Research project between IRA (Tunisia), IRD (France) and LISA (France) (2014 – 2015).
- National coordinator of research program « Quantification of wind erosion in southern Tunisia: simulation and validation of mass flows » Research project between IRA (Tunisia), IRD (France) and LISA (France) (2012 – 2014).
- National coordinator of PHC Utique –CMCU research project « wind erosion in southern Tunisian arid zones: Experimental approach and modelling ». Research project between IRA (Tunisia) and LISA (France) (2010 – 2012).
- Member of research project « A **DU**st experiment in a low **Nutrient**, low chlorophyll **Ecosystem (DUNE)** ». Research project between Arid Regions Institute (IRA) (Tunisia) and Laboratoire d’Océanographie de ville Franche sur Mer (France) (2008 – 2011).
- Membre of research project « **Chemistry Aerosol Mediterranean Experiment (ChArMEx)** ». Institut National de Science et de l’Univers (INSU) (France) (2009 – 2011).
- Member of research project « Desertification in the Tunisian Djeffara : resources uses and practices and become of local population ». Research project between IRA (Tunisia) and IRD (France) (2002-2003).

PUBLICATIONS

• BOOK AND BOOK CHAPTERS

- Dulac F., Hamonou E., Afif C., Alkama R., Ancona C., Annessi-Maesano I., Beekmann M., Benaïssa F., Bergametti G., Boissard C., Borbon A., Bouet C., Colette A., D’Anna B., Darras S., Dayan U., Débevec C., Delon C., Desboeufs K., Durand P., Dusanter S., Farah W., Forastiere F., Formenti P., Gros V., Jambert C., Khatteli H., **Labiadh M.**, Lathère J., Laurent B., Leriche M., Liousse C., Locoge N., Mailler S., Mallet M., Menut L., Michoud V., Mihalopoulos N., Monier M., Nabat P., Mard Nakhlé M., B. Nicolos J., Öztürk F., Rajot J-L., Renard J-B., Ricaud P., Salameh T., Di Sarra A., Sartelet K., Sauvage S., Sciare J., Sellegri K., Sicard M., Solmon F., Stafoggia M., Waked A., Zbinden R., **2016**. Subchapter 1.4.1. Sources of reactive species and source apportionment. **In : Thiébault S. (ed.), Moatti Jean-Paul (ed.)**.The Mediterranean region under climate change : a scientific update. Marseille : IRD ; AllEnvi, **p. 151-158**. (Synthèses). **ISBN 978-2-7099-2219-7, 2016** (http://www.lmd.polytechnique.fr/~intro/Files/2016_book_MedClimateChange.pdf).
- Khatteli H., Ramadan Ali R., Bergametti G., Bouet C., Hachicha M., Hamdi-Aïssa B., **Labiadh M.**, Montoroi J.P., Podwojewski P., Rajot J.L., Zaghoul M.A., Valentin C., **2016**. Subchapter 3.5.2. Soils and desertification in the Mediterranean region. **In : Thiébault S. (ed.), Moatti Jean-Paul (ed.)**.The Mediterranean region under climate change : a scientific update. Marseille : IRD ; AllEnvi, **p. 617-625**. (Synthèses). **ISBN 978-2-7099-2219-7, 2016** (http://www.lmd.polytechnique.fr/~intro/Files/2016_book_MedClimateChange.pdf).

- **Labiadh M.T. (ED.)**, Abdourhamane Toure A. (ed.), Bergametti G. (ed.), Biolders C. (ed.), Bouet Christel (ed.), Callot Y. (ed.), Dupont S. (ed.), Khatteli H. (ed.), Marticorena B. (ed.), Rajot Jean-Louis (ed.), Valentin Christian (ed.). Erosion éolienne dans les régions arides et semi arides Africaines : processus physiques, métrologie et techniques de lutte. *Revue des Régions Arides*, 2015, 36 (1), 258 p. Erosion Eolienne dans les Régions Arides et Semi-arides Africaines : Processus Physiques, Métrologie et Techniques de Lutte : Colloque International, Djerba (TUN), 2013/11/12-14. *ISSN 0330-7956, 2015* (<http://www.ira.agrinet.tn/imgcommon/files/RRA36.pdf>).

- Christel Bouet, Jean Louis Rajot, **Mohamed Labiadh**, Pascal Podwojewski. Poussières de sable : Lutter contre la dégradation des terres et la désertification en Tunisie. *Edition IRD©, septembre 2017*.

- **M. Labiadh**, J-L, Rajot, C, Bouet. Désertification et dégradation des terres. *COP 13 désertification – Ordos Chine – 06 – 13 septembre 2017* (<https://www.ird.fr/la-mediathèque/dossiers-thematiques/désertification-et-dégradation-des-terres>).

Mohamed Labiadh. Quantification de l'érosion éolienne sur des surfaces anthropisées : simulation des flux en masse à l'échelle des zones arides tunisiennes. *Thèse de Doctorat en Physique de l'Environnement, Université Paris-Diderot, France, 202 pp, 2011*.

• **IN JOURNAL WITH COMMITTEE OF READING**

- Dupont, S., J-L. Rajot, **M. Labiadh**, G. Bergametti, S.C. Alfaro, C. Bouet, R. Fernandes, B. Khalfallah, E. Lamaud, B. Marticorena, J.M. Bonnefond, S. Chevaillier, D. Garrigou, T. Henry-des-Tureaux, S. Sekrafi, P. Zapf. Aerodynamic parameters over an eroding bare surface: reconciliation of the Law-of-the-wall and Eddy-Covariance determinations. *J. Geophys. Res. Atmos* **123**, 4490-4508, <https://doi.org/10.1029/2017JD027984>, 2018.

- S. Dupont, J-L. Rajot, **M. Labiadh**, G. Bergametti, E. Lamaud, M. R. Irvine, S.C. Alfaro, C. Bouet, R. Fernandes, B. Khalfallah, B. Marticorena, J.M. Bonnefond, S. Chevaillier, D. Garrigou, T. Henry-des-Tureaux, S. Sekrafi, P. Zapf. Dissimilarity between dust, heat, and momentum turbulent transports during aeolian soil erosion. *J. Geophys. Res.* **2018**, *submitted*.

- Bouet C., **Labiadh M.T.**, Rajot J.L., Bergametti G., Marticorena B., Sekrafi S., Ltifi M., Féron A., Henry des Tureaux T., Khatteli H. Impact of desert dust on air quality in southern Tunisia: analysis of 2 years of 5 min. PM10 concentration measurements. *Environmental Science and Pollution Research* **2018**. *Submitted*.

- **Mohamed Labiadh**, Gilles Bergametti, Mouldi Kardous, Sébastien Perrier, Noël Grand, Badie, Attoui, Saad, Sekrafi and Béatrice Marticorena. Soil erosion by wind over tilled surfaces in South Tunisia, *Geoderma* **202-203**, 8-17, 2013.

- **Labiadh M.**, G. Bergametti, B. Attoui and S. Sekrafi. Particle size distributions of South Tunisian soils erodible by wind, *Geodinamica Acta*, 24, 37-47, 2011.

- Christel Bouet, **Mohamed Taieb Labiadh**, Gilles Bergametti, Jean Louis Rajot, Béatrice Marticorena, Saâd Sekrafi, Mohsen Ltifi, Anaïs Féron, Thierry Henry des Tureaux. What is the impact of mineral dust on air quality in southern Tunisia? Analysis of 2 years of PM10 concentration and meteorology monitoring, *ICIEME (ISSN: 1737-3638)*, pp 37-45, 2017.

- **Mohamed LABIADH**. Computation of aerodynamic roughness lengths over tilled surfaces based on the geometric characteristics of ridges, *Sylwan Journal (ISSN: 0039-7660)*, Volume 160, Issue 2, pp. 46-55, 2016.

- **Mohamed LABIADH**. Comparative study of the particle size distribution between a fine fraction of the soil and mineral dust: case study of southern Tunisian arid regions, *Sylwan Journal (ISSN: 0039-7660), Volume 160, Issue 3, pp. 133-142, 2016.*
- **Mohamed LABIADH**. Aerodynamic characterization of geomorphic units in southern Tunisia from the derived measures of the PLODER surface products, *International Journal of Innovation and Applied Studies, vol. 14, no. 2, pp. 536–542, January 2016.*
- **Mohamed LABIADH**. Application d'un modèle météorologique régional de méso-échelle pour la simulation des champs de vent de surface sur les zones arides et désertiques tunisiennes, *Revue de Géographie du Laboratoire Leïdi (ISSN 0851 – 2515), N° 13, pp 218 – 231, Décembre 2015.*
- **Mohamed LABIADH**. Seasonality comparison between simulated and measured wind field: case study of Tunisian arid areas, *International Journal of Academic and Scientific Research (IJASR) ISSN: 2272 - 6446, Volume 3, Issue 2, pp. 47 - 51, 2015.*
- **Mohamed Taieb LABIADH**, Gilles BERGAMETTI, Christel BOUET, Houcine KHATTELI et Mounir ABICHOU. Vers une quantification de l'érosion éolienne des sols labourés dans le sud tunisien. In : **Labiadh M.T. (ED.)**, Abdourhamane Toure A. (ed.), Bergametti G. (ed.), Biolders C. (ed.), Bouet Christel (ed.), Callot Y. (ed.), Dupont S. (ed.), Khatteli H. (ed.), Marticorena B. (ed.), Rajot Jean-Louis (ed.), Valentin Christian (ed.). Erosion éolienne dans les régions arides et semi-arides africaines : processus physiques, métrologie et techniques de lutte. *Revue des Régions Arides*, 2015, 36 (1), p. 129-150. Erosion Eolienne dans les Régions Arides et Semi-arides Africaines : Processus Physiques, Métrologie et Techniques de Lutte : Colloque International, Djerba (TUN), 2013/11/12-14. **ISSN 0330-7956, 2015.**
- Christel BOUET, **Mohamed Taieb LABIADH**, Gilles BERGAMETTI, Badie ATTOUI, Benoit LAURENT, Béatrice MARTICORENA, Jean Louis RAJOT et Houcine KHATTELI. Quantification de l'érosion éolienne dans le sud tunisien. In : **Labiadh M.T. (ED.)**, Abdourhamane Toure A. (ed.), Bergametti G. (ed.), Biolders C. (ed.), Bouet Christel (ed.), Callot Y. (ed.), Dupont S. (ed.), Khatteli H. (ed.), Marticorena B. (ed.), Rajot Jean-Louis (ed.), Valentin Christian (ed.). Erosion éolienne dans les régions arides et semi-arides africaines : processus physiques, métrologie et techniques de lutte. *Revue des Régions Arides*, 2015, 36 (1), p. 151-171. Erosion Eolienne dans les Régions Arides et Semi-arides Africaines : Processus Physiques, Métrologie et Techniques de Lutte : Colloque International, Djerba (TUN), 2013/11/12-14. **ISSN 0330-7956, 2015.**
- Mounir ABICHOU et **Mohamed LABIADH**. Impacts des extensions oléicoles sur l'amplification de l'érosion éolienne dans le sud tunisien et certaines mesures de lutte préventive. In : **Labiadh M.T. (ED.)**, Abdourhamane Toure A. (ed.), Bergametti G. (ed.), Biolders C. (ed.), Bouet Christel (ed.), Callot Y. (ed.), Dupont S. (ed.), Khatteli H. (ed.), Marticorena B. (ed.), Rajot Jean-Louis (ed.), Valentin Christian (ed.). Erosion éolienne dans les régions arides et semi-arides africaines : processus physiques, métrologie et techniques de lutte. *Revue des Régions Arides*, 2015, 36 (1), p. 193-207. Erosion Eolienne dans les Régions Arides et Semi-arides Africaines : Processus Physiques, Métrologie et Techniques de Lutte : Colloque International, Djerba (TUN), 2013/11/12-14. **ISSN 0330-7956, 2015.**
- **Mohamed LABIADH**. Expérimentations en Conditions Contrôlées des Paramètres Aérodynamiques de L'érosion Éolienne Pour Différents États de Surface du sud Tunisien, *Revue des Régions Arides (ISSN 0330-7956) No 37 (2/2015), pp.13 - 26, 2015.*

- **Mohamed Labiadh**, Mounir Abichou et Houcine Khatteli. Utilisation des capteurs de saltation pour la détection du seuil d'érosion éolienne dans les zones arides tunisiennes, *Revue des Régions Arides (ISSN 0330-7956) No 37 (2/2015)*, pp.27 - 41, 2015.
- **Mohamed LABIADH** and Mounir Abichou. Study of the efficiency of applied doses of olive mill wastewaters in reducing soil erosion by wind: Laboratory experiments, *Sylwan Journal (ISSN: 0039-7660), Volume 160, Issue 3, pp. 2-15, 2016*.
- Guieu, C., Dulac, F., Desboeufs, K., Wagener, T., Pulido-Villena, E., Grisoni, J.-M., Louis, F., Ridame, C., Blain, S., Brunet, C., Bon Nguyen, E., Tran, S., **Labiadh, M.**, and Dominici, J.-M.: Large clean mesocosms and simulated dust deposition: a new methodology to investigate responses of marine oligotrophic ecosystems to atmospheric inputs, *Biogeosciences Discuss.*, 7, 2681-2738, 2010.
- Mounir Abichou and **Mohamed LABIADH**. The importance of organic matter in the case of land and vegetation cover degradation in the arid zones, *Sylwan Journal (ISSN: 0039-7660), Volume 160, Issue 3, pp. 441-452, 2016*.
- Mounir Abichou, Ali Rhouma and **Mohamed Labiadh**. Olives mill wastewaters spray: An interesting alternative of management of the agriculture garbage and wind erosion reduction in the south of Tunisia. *Journal of Recycling of Organic Waste in Agriculture Research, Vol. 1, No. 1, September 2013, PP: 01 -08, 2013*.
- Mounir Abichou, **Mohamed Labiadh**, Nagwa Elnwshy and Hanane Abichou. The Mulching effect of the olives mill wastewaters on the soil cohesion improvement and wind erosion reduction in the southern Tunisian arid zones. *Journal of Life Sciences, USA, JLS11121102 ISSN : 1934-7391, 2012*.
- Mounir Abichou, **Mohamed Labiadh**, Wim Cornelis, Donalds Gabriels, Béchir Ben Rouina, Houcine Taamallah and Houcine Khatteli. *The Olive Mills Waste Water as an organic amendment for controlling wind erosion in southern Tunisia by improving the soil surface structure, Journal of Arid Land Studies, V19 -1, pp 343 – 346, 2009*.
- Nagwa Elnwshy, Hanane Abichou, **Mohamed Labiadh** and Samy ZaLAT. A Considerable Vegetation Type to Sustain Development in Drylands, *Journal of Arid Land Studies, V19 - 1, pp 113--116, 2009*.
- Hanane Abichou, **Mohamed Labiadh** and Nagwa Elnwshy. Tunisian Case of Desert Valorization for Promoter Enduring Development of Competence, *Journal of Arid Land Studies, V19 -1, pp 355 – 358, 2009*.
- Mounir Abichou, **Mohamed Labiadh**, Wim Cornelis, Donalds Gabriels, Béchir Ben Rouina, Houcine Taamallah and Houcine Khatteli. *Margine, the Olive Mills Waste Water as an organic amendment for controlling wind erosion in southern Tunisia by improving the soil surface structure*, In: Donald Gabriels, Wim M. Cornelis, Murielle Eyletters and Patrick Hollebosch [Eds]. **Combating desertification assessment, adaptation and mitigation strategies, Published by UNESCO Chair of Eremology and Belgian Development Cooperation, ISBN : 978-90-5989-271-2, pp 201–206, 2008**.

• **IN CONFERENCE PROCEEDING WITH COMMITTEE OF READING**

- Dupont Sylvain, J-L. Rajot, **M. Labiadh**, G. Bergametti, E. Lamaud, M. R. Irvine, S.C. Alfaro, C. Bouet, R. Fernandes, B. Khalfallah, B. Marticorena, J.M. Bonnefond, S. Chevaillier, D. Garrigou, T. Henry-des-Tureaux, S. Sekrafi, P. Zapf. Dissimilarity between dust, heat, and momentum turbulent transports during aeolian soil erosion, *International Conference on Aeolian Research (ICAR X), Bordeaux – France, 25 – 29 June 2018*.
- Rajot J.L., Bergametti G., **Labiadh M.T.**, Alfaro S.C., Bonnefond J.M., Bouet C., Chevaillier S, Fernandes, R., Féron A., Garrigou D., Guillet A.C., Hease P., Henri des Tureaux T., Khalfallah B., Lafon S., Lamaud E., Laurent B., Ltifi M., Marticorena B., Pierre C., Sekrafi S., Zapf P., Dupont S. The WIND-O-V field experiment: WIND erOsion in presence of sparse Vegetation, *International Conference on Aeolian Research (ICAR X), Bordeaux – France, 25 – 29 June 2018*.
- Dupont Sylvain, J-L. Rajot, **M. Labiadh**, G. Bergametti, S.C. Alfaro, C. Bouet, R. Fernandes, B. Khalfallah, E. Lamaud, B. Marticorena, J.M. Bonnefond, S. Chevaillier, D. Garrigou, T. Henry-des-Tureaux, S. Sekrafi, P. Zapf. Aerodynamic parameters over an eroding bare surface: reconciliation of the Law-of-the-wall and Eddy-Covariance determinations, *International Conference on Aeolian Research (ICAR X), Bordeaux – France, 25 – 29 June 2018*.
- B. Khalfallah, C. Bouet, **M. T. Labiadh**, S. C. Alfaro, J. L. Rajot, G. Bergametti, B. Marticorena, S. Dupont, S. Lafon, J. M. Bonnefond, S. Chevaillier, A. Féron, D. Garrigou, P. Hease, T. Henry des Tureaux, S. Sekrafi, P. Zapf. Size resolved dust emission fluxes measured by the gradient method during 6 dust storms of the WIND-O-V's 2017 experiment in southern Tunisia, *International Conference on Aeolian Research (ICAR X), Bordeaux – France, 25 – 29 June 2018*.
- Yinghe Fu, Karine Desboeufs, Julie Vincent, Elisabeth Bon Nguyen, Benoit Laurent, Remi Losno, François Dulac, **Mohamed Labiadh** and Gilles Bergametti. Elemental atmospheric deposition fluxes from insoluble Particles deposition samples collected in the Western Mediterranean region, *9th International Workshop on Sand / Dust Storm sand Associated Dustfall, Tenerife, Spain 22 - 24 May 2018*.
- Jean Louis Rajot, **Mohamed T. Labiadh**, Stéphane Alfaro, Nada Ben Dbabis, Thierry Henry des Tureaux, Gilles Bergametti, Christel Bouet, Mohsen Ltifi, Saâd Sekrafi. Effect of soil / windblown sediment fractionation on fertility of sandy cultivated soils (Niger and Tunisia), *International Conference on Water, Environment, Energy and Society (ICWEES-2018), Djerba – Tunisie, 08 – 11 May 2018*.
- Bouthaina Khalfallah, **Mohamed T. Labiadh**, Jean Louis Rajot, Saâd Sekrafi, Thierry Henry des Tureaux. Development of an estimation method by image analysis of soil covered by clods, *Environment, Energy and Society (ICWEES-2018), Djerba – Tunisie, 08 – 11 May 2018*.
- Pascal Podwojewski, **Mohamed Labiadh**, Thierry Henry Des Tureaux, Jean Louis Rajot. Comparative Carbon stocks between a 40 years enclosure and over 70 years cultivated olive orchard in Arenosol of south Tunisia, *International Conference on Water, Environment, Energy and Society (ICWEES-2018), Djerba – Tunisie, 08 – 11 May 2018*.
- Amira Essid, Mohamed Ouaja, **Mohamed Taieb Labiadh**, Kamel Regaya. Fluctuations of the piezometric level and wind accumulations during the Quaternary period in the maritime Jeffara (Southern-East of Tunisia), *International Conference on Water, Environment, Energy and Society (ICWEES-2018), Djerba – Tunisie, 08 – 11 May 2018*.

- Jarray Kawther, **Labiadh Mohamed**, Podwojewski Pascal, Henry Des Tureaux Thierry. Measure of the infiltration of water on different surface states in southern Tunisia, *International Conference on Water, Environment, Energy and Society (ICWEES-2018), Djerba – Tunisie, 08 – 11 May 2018*.
- Rebai Mouna, Abichou Mounir, **Labiadh Mohamed**, Henry Des Tureaux Thierry, Podwojewski Pascal. Short term effect of different organic compost with two test plants on a sandy soil of south Tunisia, *International Conference on Water, Environment, Energy and Society (ICWEES-2018), Djerba – Tunisie, 08 – 11 May 2018*.
- **Mohamed Taieb Labiadh**. Impact of Ploughing Techniques on Wind Erosion: Field Experiments Assessment. In: **Kallel A., Ksibi M., Ben Dhia H., Khélifi N. (eds) Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions**. 1st Euro-Mediterranean Conference for Environmental Integration (EMCEI 2017), Sousse, Tunisie, 22 – 25 Novembre. **Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development)**. Springer, 2017.
- **Mohamed Labiadh** et Nagwa Elnwishy. L'usage des brise-vent en feuilles de palme sèche pour la fixation des dunes en Tunisie arides et désertiques : critères d'efficacité, *Colloque international Préservation et utilisation durable des systèmes oasiens, Niamey, Niger, 28–29 Septembre 2016*.
- Nagwa Elnwishy and **Mohamed Labiadh**. Sustainable approaches for environmental and economical development of oases, *Colloque international Préservation et utilisation durable des systèmes oasiens, Niamey, Niger, 28–29 Septembre 2016*.
- C. Bouet, **M. T. Labiadh**, J. L. Rajot, G. Bergametti, B. Marticorena, S. Sekrafi, M. Ltifi, A. Féron, and T. Henry des Tureaux. Temporal variability of mineral dust in southern Tunisia: analysis of 2 years of PM10 concentration, aerosol optical depth, and meteorology monitoring, *European Aerosol Conference, Tours, France, 04–09 Septembre 2016*.
- Christel Bouet, **Mohamed Taieb Labiadh**, Gilles Bergametti, Jean Louis Rajot, Béatrice Marticorena, Saâd Sekrafi, Mohsen Ltifi, Anaïs Féron, Thierry Henry des Tureaux. Temporal variability of mineral dust in southern Tunisia: analysis of 2 years of PM10 concentration, aerosol optical depth, and meteorology monitoring, *European Geosciences Union General Assembly, Vienna, Austria, 17-22 April 2016*.
- Badii Attoui, **Mohamed Labiadh**, Saad Secrafi, Mohsen Litif et Azaiez Ouled Belgacem. The characterization of surface states in arid regions using radiometric indicators and classification of Multitemporal Landsat TM images taken on Bouhedma (southern Tunisia), *Colloque international : Integrated Land and Water Resources management in the Dry Areas under Climate Change. Djerba, Tunisie, 11 – 13 Mai 2015*.
- Christel Bouet, Sylvain Dupont, Mouldi Kardous, Houcine Khatteli, **Mohamed Labiadh**, Béatrice Marticorena, Jean Louis Rajot et Gilles Bergametti. L'érosion éolienne au sud de la Tunisie : bilan de 15 années de recherche et perspectives, *Colloque international : Surfaces et Interfaces Continentales en Méditerranée SICMED. Gammarth, Tunisie, 18 – 20 novembre 2014*.
- **Mohamed Labiadh**, Christel Bouet, Gilles Bergametti, Jean Louis Rajot, Benoit Laurent and Béatrice Marticorena, Assessing wind erosion in South Tunisia, *European Geosciences Union General Assembly, Vienna, Austria, 07-12 April 2013*.

- **Labiadh, M.**, Bergametti, G., Marticorena, B., Bouet, C., Rajot, J. L. et Khatteli, H. Quantification de l'érosion éolienne sur des surfaces anthropisées : expériences et modélisation, *Conférence régionale Erosion éolienne et lutte contre l'ensablement. Laghouat, Algérie, 11-14 Novembre 2012.*
- Bouet, C., **Labiadh, M.**, Bergametti, G., Laurent, B., Marticorena, B., Rajot, J. L et Khatteli, H. Quantification de l'érosion éolienne dans le sud Tunisien, *Conférence régionale Erosion éolienne et lutte contre l'ensablement. Laghouat, Algérie, 11-14 Novembre 2012.*
- Sarrand B., N. Hamdi, F. Dulac, M. Baldi, Z. Bargaoui, K. Cindrić, C. Dubois, V. Ducrocq, **M. Labiadh**, J. Schiavone, L. de Silvestri, S. Somot, and A. Tovar-Sá nchez, Precipitation in the Mediterranean basin as seen from the 2000-2010 TRMM-3B42-v6 database, *European Geosciences Union General Assembly, Vienna. Austria, 22-27 April 2012.*
- Bouet, C., **Labiadh, M.**, Bergametti, G., Laurent, B., Rajot, J. L. and Marticorena, B. Wind erosion in Southern Tunisia, *Journées Scientifiques Bioemco 2011 – 2012, Paris, France, 09 -10 Février 2012.*
- Gilles Bergametti, **M. Labiadh**, M. Kardous et C. Bouet. B. Etude des processus physiques d'érosion éolienne dans le sud tunsien : le cas des surfaces agricoles. *23^{ème} journées scientifiques de l'environnement Risques environnementaux : détecter, comprendre, s'adapter. Créteil – France, 31 janvier – 02 février 2012.*
- Dulac François, Desboeufs Karine, Bon Nguyen Elizabeth, Tran Sophie, Losno Rémi, Chevaillier Servanne, Guieu Cécile, Leblond Nathalie, **Labiadh Mohamed**. A method to produce large amounts of mineral dust for controlled in situ experiments on the marine biogeochemical impact of atmospheric deposition. *American Society of Limnology and Oceanography. 2011 Aquatic Science meeting in Limnology and Oceanography. Puerto Rico – USA, 13 – 18 February 2011.*
- Hanane Abichou, Anne-Marie Jouve et **Mohamed Labiadh**. Evaluation de la durabilité du tourisme patrimonial au Sud Tunisien : indicateurs de développement durable à l'échelle de l'entreprise touristique. *In Proceedings of Conference on Prospectives stratégies et développement durable PS2D : stratégie de développement : Quel chemin parcouru ? Quelles réponses face aux nouvelles contraintes économiques et climatiques. Hammamet - Tunisie, 21 - 23 Juin 2010.*
- Mounir Abichou et **Mohamed Labiadh**. Améliorations de la gestion du sol des oliveraies du Sud Tunisien. *In Proceedings of International Conference of Eaux, Déche & Développement Durable (E 3 D). Alexandrie - Egypte, 28 - 31 Mars 2010.*
- Mounir Abichou et **Mohamed Labiadh**. L'importance d'améliorations des techniques culturales pour assurer la durabilité et la productivité du secteur oléicole dans le sud tunisien. *In Proceedings of Olivebioteq 2009 : Pour un secteur oléicole rénové, rentable et competitive en Méditerranée. Sfax - Tunisie, 15 - 19 Decembre 2009.*
- Nagwa Elnwishy, Hanane Abichou, **Mohamed Labiadh** and Sami Zalut. The role of mangrove forests in sustaining development in drylands. World Agroforestry Center 2009. *Book of Abstracts, 2nd World Congress of Agroforestry, Agroforestry – The Future of Global Land Use. Nairobi: World Agroforestry Center, ISBN 978-92-9059-255-6, p 91, 2009.*
- B. Ben Rouina, Ch. Ben Ahmed, **M. Labiadh** and M. Boukhriss. Optimization of saline water use for Chemlali Sfax olive under field conditions in arid region of Tunisia: Gas Exchange, Ion content, Growth and Yield. *In Proceedings of International Conference on Plants and Environmental Pollution. Kayseri - Turkey, 06 - 11 July 2009.*

- **Mohamed Labiadh** (Fellow, Icelandic Land Restoration Training Programme). *Working Group 2: Soil management for Promoting Synergies in the Implementation of the Three United Nations Rio Conventions*. In: Harriet Bigas, Gudmundur Ingi Gudbrandsson, Luca Montanarella and Andrés Arnalds [Eds]. *Soil, Society and Global Change – Proceedings of the International Forum Celebrating the Centenary of Conservation and Restoration of Soil and Vegetation in Iceland, Published by European Communities, ISBN 978-92-79-11775-6, pp 177 – 178, 2009.*
- Hanane Abichou, **Mohamed Labiadh**, Nagwa Elnwshy and Mounir Abichou. Saharan Tourism in Tunisia: Threat or vector of a sustainable development. *In Proceedings of Conference on Land Degradation in Dry Environments. Kuwait, 08 - 14 March 2009.*
- Nagwa Elnwshy, Hanane Abichou, **Mohamed Labiadh**, Mounir Abichou and Dalia Sabry. Will Mangrove become The Future of Sea water Agriculture? *In Proceedings of Conference on Land Degradation in Dry Environments. Kuwait, 08 - 14 March 2009.*
- Abichou. M, **Labiadh. M**, Ben Rouina. B, Taamallah. H, Khatteli. H, Cornelis. W et Gabriels. D. L'utilisation de la margine comme conditionneur du sol sableux pour l'amélioration de l'état de surface et lutte contre l'érosion éolienne. *15èmes journées Scientifiques sur les Résultats de la recherché Agricoles. Nabeul - Tunisie, 18 – 19 Décembre 2008.*
- M. Abichou, **M. Labiadh**, B. Ben Rouina, H. Taamallah, H. Khatteli, W. Cornelis et D. Gabriels. L'épandage des margines dans les oliveraies du Sud Est Tunisien : une alternative intéressante des gestions des déchets agricoles et de lutte contre l'érosion éolienne. *In Proceedings of the International Congress of Solid Waste Management & Sustainable Development. Hammamet - Tunisia, 27-30 Mars 2008.*
- M. Abichou, **M. Labiadh**, B. Ben Rouina, H. Taamallah, H. Khatteli, W. Cornelis and D. Gabriels. Olives mill wastewaters spray: An organic amendment for the structural stability improvement and wind erosion reduction in the southern Tunisian arid zones. *In Proceedings of the Conference on Desertification. Gent - Belgium, 22 – 23 January 2008.*
- **Mohamed Labiadh**, Gudmundur Halldórsson and Magnús H. Jóhannsson. Planing of large scale restoration project : Theoretical Constructs. *Land restoration training program : Sustainable Land Management and Restoration of Degraded Land. 20 August – 04 October 2007, Agricultural University of Iceland (AUI) and Soil Conservation Service (SCS) of Iceland – ICELAND, 2007.*
- **M. Labiadh**. Actes du colloque international « Erosion éolienne dans les zones arides et semi-arides africaines : processus physiques, métrologie et techniques de lutte ». *Djerba - Tunisie, 09 – 11 Mai 2006.*
- Ouessar M., Taamallah H., Khatteli H., Ben Kéhia H., **Labiadh M.**, Dhaou H. et Mekrazi N. *Rapport final de l'équipe "Eau & sol" (thème 4) du programme "Jeffara", IRD – IRA – CRDA de Médenine et Gabès, 103 p. + annexes, 2003.*

CONFERENCES AND SCIENTIFICS MANIFESTATIONS

- 2018** : International Conference on Aeolian Research (ICAR X). 25 – 29 June 2018 – Bordeaux – France.
- 2018** : 9th International Workshop on Sand / Dust Storm sand Associated Dustfall. 22 - 24 May 2018 – Tenerife – Spain.
- 2018** : International Conference on Water, Environment, Energy and Society (ICWEES-2018). 08 – 11 May 2018 – Djerba – Tunisie.

- 2017** : 1st Euro-Mediterranean Conference for Environmental Integration (EMCEI). 22 – 25 Novembre 2017 – Sousse – Tunisie.
- 2016** : Quatrièmes Journées Scientifiques Internationales de l'Institut National Agronomique de Tunisie : Les défis de l'agriculture pluviale. 16 - 17 Novembre 2016 – Tunis - Tunisie.
- 2016** : International conference on integrated environmental management for sustainable development. 27 – 30 Octobre 2016 – Sousse – Tunisie.
- 2016** : Colloque international Préservation et utilisation durable des systèmes oasiens. 28 – 29 Septembre 2016 – Niamey – Niger.
- 2016** : European Aerosol Conference. 04 – 09 Septembre 2016 – Tours – France.
- 2016** : European Geosciences Union General Assembly. 17 – 22 April 2016 – Vienna – Austria.
- 2015** : Colloque international : Integrated Land and Water Resources management in the Dry Areas under Climate Change. 11 –13 Mai 2015, Djerba – Tunisie.
- 2014** : International symposium Surfaces et Interfaces Continentales en Méditerranée SICMED. 18 –20 november 2014, Gammarth – Tunisie.
- 2014** : Scientific days of Institute of Ecology and Environmental Sciences Paris. 30 september –01 octobre 2014, Versailles – France.
- 2013** : International conference : Wind erosion in Africans arid and semi arid regions : physical processes, metrology and contest techniques. 12 –14 november 2013, Djerba – Tunisia.
- 2013** : European Geosciences Union General Assembly. 07 – 12 April 2013 – Vienna – Austria.
- 2012** : Conférence régionale Erosion éolienne et lutte contre l'ensablement. 12 – 13 Novembre 2012 – Laghouat – Algérie.
- 2012** : European Geosciences Union General Assembly. 22 – 27 April 2012 – Vienna – Austria.
- 2012** : 23ème journées scientifiques de l'environnement Risques environnementaux : détecter, comprendre, s'adapter. 31 janvier – 02 février 2012 – Créteil – France.
- 2011** : Aquatic Science meeting in Limnology and Oceanography. 13 – 18 February 2011 – Puerto Rico – USA.
- 2010** : Eaux, Déchets & Développement Durable (E 3 D). 28 - 31 Mars 2010 – Alexandrie – Egypte.
- 2009** : Olivebioteq 2009 : Pour un secteur oléicole rénové, rentable et compétitive en Méditerranée. 15 - 19 Decembre 2009 – Sfax – Tunisie.
- 2009** : 2nd World Congress of Agroforestry, Agroforestry – The Future of Global Land Use. 23 – 28 August 2009 – Nairobi – Kenya.
- 2009** : International Conference on Plants and Environmental Pollution. 06 - 11 July 2009 – Kayseri – Turkey.
- 2009** : Conference on Land Degradation in Dry Environments. 08- 14 March 2009 – Kuwait.
- 2008** : 9th International conference on Desert Technologies « Learning from the Desert : from constraint to an asset ». 12 – 16 Novembre 2008 - Douz – Tunisie.
- 2008** : International Congress of Solid Waste Management and Sustainable Development. 27 – 30th March 2008 - Hammamet – Tunisia.
- 2008** : Conference on Desertification. 22 – 23 January 2008 - Ghent – Belguim.
- 2007** : International forum on Soils, Society and Global Change. 31 August – 04 September 2007 - Selfoss – Iceland.
- 2006** : Workshop of starting LADA project (Land Degradation Assessment in Drylands) in Tunisia. 14 –15 November 2006 - Hammamet – Tunisia.
- 2006** : International conference : Wind erosion in Africans arid and semi arid regions : physical processes, metrology and contest techniques. 09 –11 may 2006 - Djerba – Tunisia.
- 2006** : Seminary – workshop « Salt – tolerant forage project co - financed by IFAD, Arab Fund and OPEC Fund. 13 –14 February 2006 - Médenine – Tunisia.

2003 : Workshop in sensitisation and information of five south Tunisian CRDAs on « SE – PAN/LCD Tunisia » for conception and setting up of sub-national device SE/LCD. 02 – 03 July 2003 - Zarzis - Tunisia.

TEACHING ACTIVITIES

- Since 2013** : Assistant professor (course and practical work), Research Master's degree 2 « Aridoculture and Combating Desertification » of the National Agronomic Institute of Tunis (INAT) and the Arid Regions Institute of Médenine (IRA) - Tunisia.
- Since 2013** : Assistant professor (course and practical work), Research Master's degree 2 « Geology of sedimentary basins » of the Faculty of Sciences –Gabès -Tunisia.
- Since 2013** : Assistant professor (course and practical work), Research Master's degree 2 (1st and 2nd year, in separate groups) Tempus « ClimAdapt » of the Faculty of Sciences –Gabès - Tunisia.
- 2017** : Training session « Field and laboratory studies on wind erosion». Course and practical work for scientific team of Saudi Geological Survey. **23 - 30 september 2017, IRA - Tunisia.**
- 2017** : Training session « Studies on land degradation and combating desertification ». Course and practical work for team of Saudi Geological Survey. **08 - 13 mai 2017, IRA - Tunisia.**
- 2017** : Field school « mesures d'infiltration et de l'humidité dans les sols sableux des oliveraies du sud Tunisien ». **08 - 12 mai 2017, IRA - Tunisia.**
- 2017** : Field school « mesures des flux d'érosion éolienne par différentes techniques ». **20 - 24 février 2017, IRA - Tunisia.**
- 2012** : Assistant professor, International Research Master's degree « Desertification and its control». **May 2013, IRA - Tunisia.**
- 2006-2011** : Assistant professor (course and practical work), Research Master's degree 2 « Combating desertification and resources enduring managements in arid environment» of the National Agronomic Institute of Tunis (INAT) and the Arid Regions Institute of Médenine (IRA) - Tunisia.
- 2003** : Tunisian Jeffara hydrogeology (South-east of Tunisia). **Course** destined for students of University of Science of Sfax (Tunisia), branch « arido-biology technique. **February 2003.**

STUDENT SUPERVISION ACTIVITIES

Since 2017: Khalfallah Bouthaina, PhD student at Paris-Est Créteil Val de Marne (UPEC) University – France. “*Size distribution of fine particles in the cycle of desert dust*”. Co-supervisor with Prof. Stephane Alfaro (LISA – France).

2017 : Hajji Fatma, Research Master's thesis at the University of Sciences of Gabès. “*Erodible soil fractions in southern Tunisia: Size distribution and vulnerability to wind erosion*”.

2017: Rebai Mouna, Research Master's thesis at the National Agronomic Institute of Tunis - Tunisia. “*Impact of compost from different origins on plant growth and fertility evolution and the structure of a degraded sandy soil*”. Co-supervisor with Dr. Pascal Podwojewski (IRD – France).

2017: Jarray Kawthar, Research Master's thesis at the National Agronomic Institute of Tunis - Tunisia. “*Measure of the infiltration of water on different surface states in southern Tunisia*”. Co-supervisor with Dr. Pascal Podwojewski (IRD – France).

2016 : Khalfallah Boutheina, Research Master's thesis at Paris-Est Créteil Val de Marne (UPEC) university – France. “*Qualification of intensity of exchange of matter between surface and atmosphere in arid zones*”.

2015 : Oueriemmi Houda, Research Master's thesis at the University of Sciences of Gabès. “*Relationship between the characteristics of cultivated soil surface and wind erosion in the Jeffara plain (South East Tunisia)*”. Co-supervisor with Dr. Jean-louis Rajot (IRD – France).

2015 : Khalfallah Boutheina, Project of end of study of the High National School of Engineer of (ENSIT) - Tunisia. “*Development of an image analysis estimation method of the soil surface covering by soil aggregates*”. Co-supervisor with Dr. Jean-louis Rajot (IRD – France)

2015 : Khatteli Wassim, Bachelor's degree from the Higher Institute of Applied Biology of Médenine (ISBAM) - Tunisia. “*Temporal variability of terrigenous aerosol concentrations in Medenine and its impact on the volatile compounds of two spontaneous plants: *Diplotaxis Simplex* and *Diplotaxis harra**”.

2014 : Ben Dbabis Nada, Research Master's thesis at the University of Paris Diderot – Paris 7. “*Study of fractionation between soil and wind erosion flux in semi-arid regions*”. Co-supervisor with Dr. Jean-louis Rajot (IRD – France).

2014 : Slimane Nahed, Research Master's thesis at the University of Sciences of Gabès. “*Genesis and sedimentary dynamics of desert deposits in the Nefzaoua region (southwestern Tunisia)*”. Co-supervisor with Dr. Mohamed Ouaja (Faculté des Sciences de Gabès – Tunisie).

2013 : Khesairi Walid, Project of end of study of the National School of Computer Sciences (ENSI) - Tunisia. “*Impact of taking into account the sea surface temperature on the modeling of surface weather in southern Tunisia*”. Co-supervisor with Dr. Christel Bouet (IRD – France).

2012 : Sghair Khalil et Attoui Badie, Research Master's thesis at the Higher Institute of Applied Biology of Médenine (ISBAM) – Tunisia. “*Experiments under controlled conditions of soil erosion by wind: studies of physical processes*”.

LANGUAGES

French, English & Arabic